

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L15	6	((("20040041686") or ("6031815") or ("6223285") or ("6289102") or ("5706268") or ("5818805"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/03 12:05
L16	2	((("20030007432") or ("5809006"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/03 12:20
L17	3209	(369/47.21,52.1,53.21,59.25,275.3).cccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 12:20
S1	1	10/762538	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 17:46

EAST Search History

S2	98	(US-20040141454-\$ or US-20040165494-\$ or US-20040168074-\$ or US-20040246854-\$ or US-20040246867-\$ or US-20040252603-\$ or US-20060164944-\$ or US-20030048735-\$ or US-20030161248-\$ or US-20060171287-\$).did. or (US-5296995-\$ or US-5680381-\$ or US-5729523-\$ or US-5903533-\$ or US-5835478-\$ or US-5835461-\$ or US-5878024-\$ or US-5886985-\$ or US-5309424-\$ or US-5715232-\$ or US-6144625-\$ or US-5469416-\$ or US-5587901-\$ or US-5949746-\$ or US-6067281-\$ or US-6192018-\$ or US-6301208-\$ or US-6407978-\$ or US-6898171-\$ or US-6950386-\$ or US-6189014-\$ or US-5218599-\$ or US-5696758-\$ or US-5995457-\$ or US-4931336-\$ or US-5321673-\$).did. or (US-5392271-\$ or US-5455815-\$ or US-5517486-\$ or US-5708650-\$ or US-5752009-\$ or US-5805548-\$ or US-5812519-\$ or US-5871855-\$ or US-6103407-\$ or US-4892692-\$ or US-5258976-\$ or US-5268883-\$ or US-5316814-\$ or US-5326679-\$ or US-5328741-\$ or US-5391413-\$ or US-5418768-\$ or US-5418852-\$ or US-5467327-\$ or US-5469415-\$ or US-5473480-\$ or US-5494778-\$ or US-5497367-\$ or US-5506398-\$ or US-5568467-\$ or US-5608717-\$ or US-5608701-\$).did. or (US-5617408-\$ or US-5673152-\$ or US-5715222-\$ or US-5737306-\$ or US-5740153-\$ or US-5751671-\$ or US-5781526-\$ or US-5802174-\$ or US-5802027-\$ or US-5809545-\$ or US-5808987-\$ or US-5808974-\$ or US-5815333-\$ or US-5841861-\$ or US-5875156-\$ or US-5907525-\$ or US-5926446-\$ or US-5930217-\$ or US-5949751-\$ or US-5982886-\$ or US-6083667-\$ or US-6122245-\$ or US-6128272-\$ or US-6188657-\$ or US-6215758-\$ or US-6223247-\$ or US-6301210-\$).did. or (US-6438078-\$ or US-6438098-\$ or US-6671249-\$ or US-6772429-\$ or US-6813237-\$ or US-6850469-\$ or US-6906993-\$ or US-6930977-\$).did.	US-PGPUB; USPAT	OR	ON	2007/01/31 09:12
4/3/2007 12:21:49 PM		C:\Documents and Settings\BColeman1\My Documents\EAST\Workspaces\10762538.wsp				Page 2

EAST Search History

S3	98	(US-20040141454-\$ or US-20040165494-\$ or US-20040168074-\$ or US-20040246854-\$ or US-20040246867-\$ or US-20040252603-\$ or US-20060164944-\$ or US-20030048735-\$ or US-20030161248-\$ or US-20060171287-\$).did. or (US-5296995-\$ or US-5680381-\$ or US-5729523-\$ or US-5903533-\$ or US-5835478-\$ or US-5835461-\$ or US-5878024-\$ or US-5886985-\$ or US-5309424-\$ or US-5715232-\$ or US-6144625-\$ or US-5469416-\$ or US-5587901-\$ or US-5949746-\$ or US-6067281-\$ or US-6192018-\$ or US-6301208-\$ or US-6407978-\$ or US-6898171-\$ or US-6950386-\$ or US-6189014-\$ or US-5218599-\$ or US-5696758-\$ or US-5995457-\$ or US-4931336-\$ or US-5321673-\$).did. or (US-5392271-\$ or US-5455815-\$ or US-5517486-\$ or US-5708650-\$ or US-5752009-\$ or US-5805548-\$ or US-5812519-\$ or US-5871855-\$ or US-6103407-\$ or US-4892692-\$ or US-5258976-\$ or US-5268883-\$ or US-5316814-\$ or US-5326679-\$ or US-5328741-\$ or US-5391413-\$ or US-5418768-\$ or US-5418852-\$ or US-5467327-\$ or US-5469415-\$ or US-5473480-\$ or US-5494778-\$ or US-5497367-\$ or US-5506398-\$ or US-5568467-\$ or US-5608717-\$ or US-5608701-\$).did. or (US-5617408-\$ or US-5673152-\$ or US-5715222-\$ or US-5737306-\$ or US-5740153-\$ or US-5751671-\$ or US-5781526-\$ or US-5802174-\$ or US-5802027-\$ or US-5809545-\$ or US-5808987-\$ or US-5808974-\$ or US-5815333-\$ or US-5841861-\$ or US-5875156-\$ or US-5907525-\$ or US-5926446-\$ or US-5930217-\$ or US-5949751-\$ or US-5982886-\$ or US-6083667-\$ or US-6122245-\$ or US-6128272-\$ or US-6188657-\$ or US-6215758-\$ or US-6223247-\$ or US-6301210-\$).did. or (US-6438078-\$ or US-6438098-\$ or US-6671249-\$ or US-6772429-\$ or US-6813237-\$ or US-6850469-\$ or US-6906993-\$ or US-6930977-\$).did.	US-PGPUB; USPAT	OR	ON	2007/01/31 09:13
4/3/2007 12:21:49 PM C:\Documents and Settings\PColeman1\My Documents\EAST\Workspaces\10762538.wsp Page 3						

EAST Search History

S4	3	S3 and (pit near3 (left or right)) with (groove or track)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/31 09:14
S5	4139	(369/275.1-275.4).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/31 14:34

EAST Search History

S6	98	(US-20040141454-\$ or US-20040165494-\$ or US-20040168074-\$ or US-20040246854-\$ or US-20040246867-\$ or US-20040252603-\$ or US-20060164944-\$ or US-20030048735-\$ or US-20030161248-\$ or US-20060171287-\$).did. or (US-5296995-\$ or US-5680381-\$ or US-5729523-\$ or US-5903533-\$ or US-5835478-\$ or US-5835461-\$ or US-5878024-\$ or US-5886985-\$ or US-5309424-\$ or US-5715232-\$ or US-6144625-\$ or US-5469416-\$ or US-5587901-\$ or US-5949746-\$ or US-6067281-\$ or US-6192018-\$ or US-6301208-\$ or US-6407978-\$ or US-6898171-\$ or US-6950386-\$ or US-6189014-\$ or US-5218599-\$ or US-5696758-\$ or US-5995457-\$ or US-4931336-\$ or US-5321673-\$).did. or (US-5392271-\$ or US-5455815-\$ or US-5517486-\$ or US-5708650-\$ or US-5752009-\$ or US-5805548-\$ or US-5812519-\$ or US-5871855-\$ or US-6103407-\$ or US-4892692-\$ or US-5258976-\$ or US-5268883-\$ or US-5316814-\$ or US-5326679-\$ or US-5328741-\$ or US-5391413-\$ or US-5418768-\$ or US-5418852-\$ or US-5467327-\$ or US-5469415-\$ or US-5473480-\$ or US-5494778-\$ or US-5497367-\$ or US-5506398-\$ or US-5568467-\$ or US-5608717-\$ or US-5608701-\$).did. or (US-5617408-\$ or US-5673152-\$ or US-5715222-\$ or US-5737306-\$ or US-5740153-\$ or US-5751671-\$ or US-5781526-\$ or US-5802174-\$ or US-5802027-\$ or US-5809545-\$ or US-5808987-\$ or US-5808974-\$ or US-5815333-\$ or US-5841861-\$ or US-5875156-\$ or US-5907525-\$ or US-5926446-\$ or US-5930217-\$ or US-5949751-\$ or US-5982886-\$ or US-6083667-\$ or US-6122245-\$ or US-6128272-\$ or US-6188657-\$ or US-6215758-\$ or US-6223247-\$ or US-6301210-\$).did. or (US-6438078-\$ or US-6438098-\$ or US-6671249-\$ or US-6772429-\$ or US-6813237-\$ or US-6850469-\$ or US-6906993-\$ or US-6930977-\$).did.	US-PGPUB; USPAT	OR	ON	2007/01/31 14:34
4/3/2007 12:21:49 PM		C:\Documents and Settings\B Coleman\My Documents\EAST\Workspaces\10762538.wsp	Page 5			

EAST Search History

S7	3	S6 and (pit near3 (left or right)) with (groove or track)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/31 14:34
S8	2	S5 and S7	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/31 14:34
S9	549	S5 and (pit near3 (straddle or side or outside or inside or adjacent or left or right) with (groove or track))	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/31 14:36
S10	524	S5 and (pit near3 (straddle or side or outside or inside or adjacent) with (groove or track))	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/31 15:41
S11	4139	(369/275.1-275.4).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/31 15:41
S12	313	S11 and (pit near3 (straddle or side or outside or inside) with (groove or track))	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/31 16:05
S13	56	S11 and wobbled adj pit	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/31 16:05
S14	9453	(alternate intermittent) with (wobbl\$5 near\$3 pit)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 17:48
S15	326	S14 and "369".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 17:48
S16	2720592	(alternate intermittent) near\$5 (wobbl\$5 near\$3 pit)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 17:49
S17	24203	S16 and "369".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 17:49
S18	13109127	not S14	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 17:49
S19	23877	S17 not S14	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 17:49
S20	2940059	(alternate alternately intermittent) near\$2 (wobbl\$5 near\$3 pit)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 17:51
S21	220885	S20 not S16	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 17:50

EAST Search History

S22	1303	S21 and "369".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 17:51
S23	2940059	((alternate alternately intermittent) near\$2 (wobbl\$5 near\$3 pit))	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 17:52
S24	1251244	(alternate alternately intermittent)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 17:52
S25	2182887	(wobbl\$5 near\$3 pit)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 17:52
S26	2940059	S24 near\$2 S25	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 17:53
S27	1540	S24 near2 S25	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 17:53
S28	289	S27 and "369".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/29 17:54
S29	1251244	(alternate alternately intermittent)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 10:04
S30	2182887	(wobbl\$5 near\$3 pit)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 10:04
S31	1540	S29 near2 S30	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 10:04
S32	289	S31 and "369".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 10:19
S33	252	pit near10 (shift\$3 near5 track)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 14:39
S34	252	pit near10 (shift\$3 near5 track)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 11:35
S35	1251244	(alternate alternately intermittent)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 10:39
S36	2182887	(wobbl\$5 near\$3 pit)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 10:39

EAST Search History

S37	1540	S35 near2 S36	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 10:39
S38	289	S37 and "369".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 10:39
S39	24	S34 and ((copy near2 protect\$3) copyright pira\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 12:03
S40	89910	(copy near2 protect\$3) copyright pira\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 12:01
S41	5981	((control near2 (data information)) near2 (area region))	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 12:02
S42	2	S34 same S41	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 12:03
S43	5	S34 same ((copy near2 protect\$3) copyright pira\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 13:29
S44	2	10/023062	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 13:29
S45	235	pit near10 (deviat\$3 near5 track)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 15:05
S46	89910	(copy near2 protect\$3) copyright pira\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 14:42
S47	45	S45 and S46	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 15:04
S48	4	S45 same S46	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 15:11
S49	118	pit near10 (displace\$4 near5 track)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 15:11
S50	0	S49 same S46	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 15:11
S51	16	S49 and S46	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 15:12

EAST Search History

S52	252	pit near10 (shift\$3 near5 track)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 16:05
S53	24026	((pit near5 straight align\$4) near5 track)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 16:16
S54	37	S45 and S53	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 16:09
S55	20	S49 and S53	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 16:11
S56	47	S52 and S53	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 16:15
S57	1302	((pit near5 (straight align\$4 along)) near5 track)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 16:16
S58	81	S45 and S57	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 16:16
S59	34	S49 and S57	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 16:16
S60	68	S52 and S57	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 16:16
S61	1	10/504322	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/02 10:24
S62	0	09-081938	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/02 13:49
S63	0	"09081938"	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/02 13:50
S64	2	2000-391580	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/02 13:51
S65	16	"391580"	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/02 13:51
S66	9	"081938"	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/02 13:52

EAST Search History

S67	3	9-081938	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/02 13:55
S68	3	9-081938	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/04/02 13:55